



Red Hat OpenShift Lightspeed 1.0tp1

Install

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Abstract

This documentation provides information about installing OpenShift Lightspeed.

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CHAPTER 1. INSTALLING OPENSIFT LIGHTSPEED

The installation process for Red Hat OpenShift Lightspeed consists of two main tasks: configuring the Large Language Model (LLM) provider and installing the Lightspeed Operator.

1.1. LARGE LANGUAGE MODEL (LLM) CONFIGURATION OVERVIEW

You should configure the Large Language Model (LLM) provider you will use prior to installing the OpenShift Lightspeed Operator.

1.1.1. About OpenAI configuration with OpenShift Lightspeed

To configure OpenAI as the LLM provider to be used with OpenShift Lightspeed, you must use either your OpenAI API key or OpenAI project name during the configuration process.

The OpenAI service has a feature for projects and service accounts. You may use a service account in a dedicated project so that you can precisely track OpenShift Lightspeed usage.

For more information, see the official OpenAI [product documentation](#).

1.1.2. About Azure OpenAI configuration with OpenShift Lightspeed

You must have an existing deployment of Azure OpenAI, and you must know which subscription the Azure OpenAI deployment is associated with.

For more information, see the official Azure OpenAI [product documentation](#).

1.1.3. About IBM WatsonX configuration with OpenShift Lightspeed

You need an IBM Cloud project with access to WatsonX. You will also need your WatsonX API key.

For more information, see the official WatsonX [product documentation](#).

1.2. INSTALLING THE OPENSIFT LIGHTSPEED OPERATOR

Prerequisites

- You have deployed a cluster on OpenShift Container Platform 4.15 or later. The cluster must be connected to the Internet and have telemetry enabled.
- You are logged in to the OpenShift Container Platform web console as a user with the **cluster-admin** role.
- You have access to the OpenShift CLI (oc).
- You have successfully configured your Large Language Model (LLM) provider so that OpenShift Lightspeed can communicate with it.

Procedure

1. In the OpenShift Container Platform web console, navigate to the **Operators** → **OperatorHub** page.

2. Search for Lightspeed.
3. Locate the Lightspeed Operator, and click to select it.
4. When the prompt that discusses the community operator appears, click **Continue**.
5. Click **Install**.
6. Use the default installation settings presented, and click **Install** to continue.
7. Click **Operators** → **Installed Operators** to verify that the Lightspeed Operator is installed. **Succeeded** should appear in the **Status** column.